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APPLICATION NO).	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/782,585	2,585 02/13/2001		Malcolm James Grieve	DP-302896	9475	
22851	7590	05/18/2006		EXAMINER		
DELPHI TECHNOLOGIES, INC.				PATEL, VINIT H		
M/C 480-410-202 PO BOX 5052				ART UNIT	ART UNIT PAPER NUMBER	
TROY, MI 48007			1764			
				DATE MAILED: 05/18/2006	DATE MAILED: 05/18/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

		(
	Application No.	Applicant(s)	_
	09/782,585	GRIEVE, MALCOLM JAMES	
Office Action Summary	Examiner	Art Unit	_
	Vinit H. Patel	1764	
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the c	orrespondence address	_
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING D. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period or Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).	
Status			
1) Responsive to communication(s) filed on <u>08 A</u>	pril 2005.		
2a) ☐ This action is FINAL . 2b) ☑ This	action is non-final.		
3) Since this application is in condition for allowar	nce except for formal matters, pro	secution as to the merits is	
closed in accordance with the practice under E	Ex parte Quayle, 1935 C.D. 11, 45	53 O.G. 213.	
Disposition of Claims			
4)⊠ Claim(s) <u>6,8,10 and 16</u> is/are pending in the a	polication		
4a) Of the above claim(s) is/are withdraw			
5) Claim(s) is/are allowed.			
6)⊠ Claim(s) <u>6,8,10 and 16</u> is/are rejected.	<i>.</i> •		
7) Claim(s) is/are objected to.	•		
8) Claim(s) are subject to restriction and/o	r election requirement.		
Application Papers			
9) The specification is objected to by the Examine	er.		
10) ☐ The drawing(s) filed on is/are: a) ☐ acc		Examiner.	
Applicant may not request that any objection to the			
Replacement drawing sheet(s) including the correct	tion is required if the drawing(s) is ob	jected to. See 37 CFR 1.121(d).	
11) ☐ The oath or declaration is objected to by the Ex	caminer. Note the attached Office	Action or form PTO-152.	
Priority under 35 U.S.C. § 119			
12) ☐ Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. § 119(a))-(d) or (f).	
a) ☐ All b) ☐ Some * c) ☐ None of: 1. ☐ Certified copies of the priority document	s have been received		
2. Certified copies of the priority document		on No	
3. Copies of the certified copies of the prior		· · · · · · · · · · · · · · · · · · ·	
application from the International Bureau	·		
* See the attached detailed Office action for a list	of the certified copies not receive	ed.	
	•		
Attachment(s)	•••		
1) X Notice of References Cited (PTO-892)	4) 🔲 Interview Summary	(PTO-413)	
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Da	ate	
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	5) Notice of Informal P 6) Other:	atent Application (PTO-152)	

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DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 6, 8, 10 and 16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Buxbuam, USP 6,183,543 in view of Barri et al., USP 5,362,522 and Edridge, USP 4,161,510.

Regarding claims 6, 8, 10 and 16, Buxbuam teaches a reforming system (C12/L64-C13/L7) comprising a reforming zone comprising catalyst substrate (C12/L64-C13/L7; Figs. 1 and 8); a ceramic mat material coupled to the inlet of the reforming zone (C11/L15-36); and a mixing zone coupled to the mat material (C11/L15-36), but does not explicitly disclose that the mat material comprises a plurality of fibrous ceramic material and having a reflective surface facing the inlet.

Barri teaches filter for separation or removal of contaminants comprising ceramic fibrous mesh in a flat sheet configuration formed in suitable shape with binder (ceramic or suitable other binder) (C4/L25-68) and it would have been obvious to one of ordinary

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skill in the art to modify Buxbuam with Barri for the purpose to provide a mat material with high durability and strength (C2/L34-68).

Edridge teaches a ceramic reflective coating may be applied to reforming system parts that are exposed to high temperatures (C2/L13-57) and it would have been obvious to modify Buxbuam with Edridge for the purpose to provide the mat material of the reforming system with a hard coating and properties of a high degree of inflammability (C2/L13-55).

Response to Arguments

Applicant's arguments with respect to claims 6, 8, 10 and 16 have been considered but are most in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Vinit H. Patel whose telephone number is (571) 272-0856. The examiner can normally be reached on 9:00 am - 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glenn Caldarola can be reached on (571) 272-1444. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Gisnn Caldarola Supervisory Patent Examiner Technology Center 1700